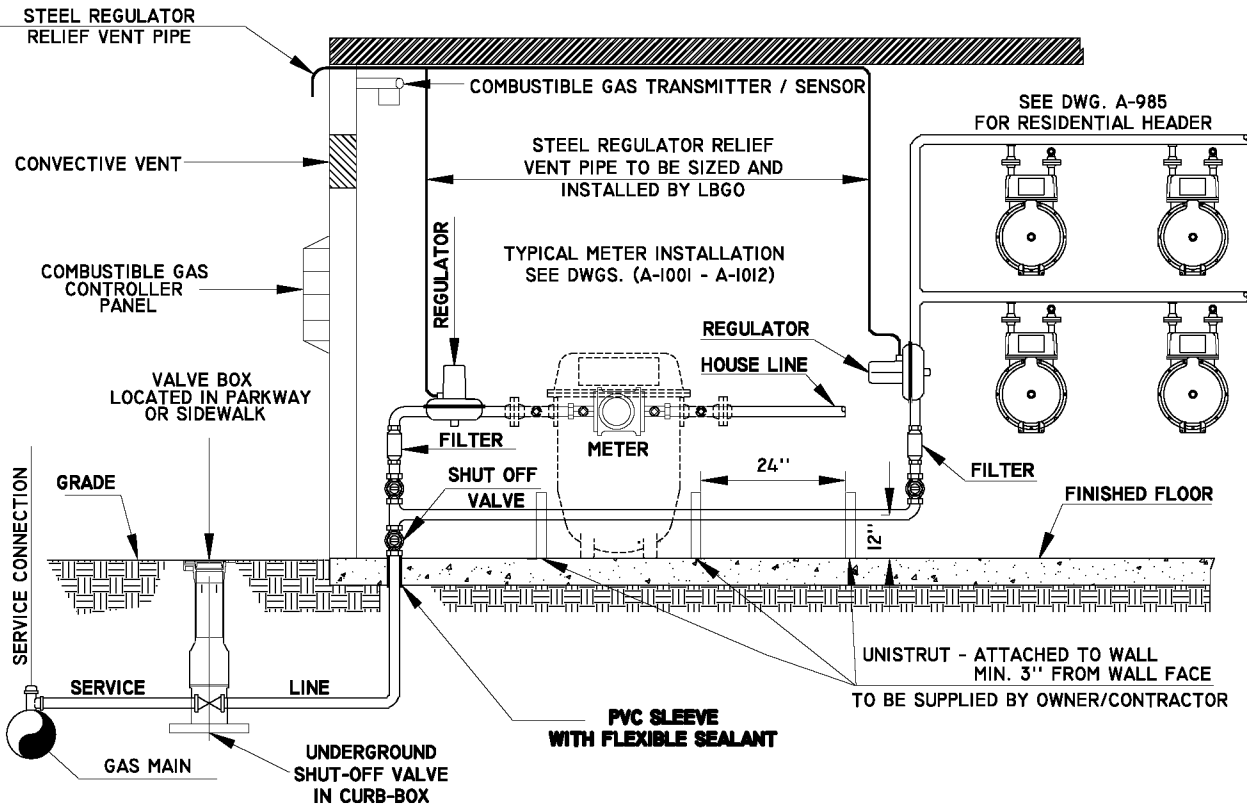


# METER ROOMS



## GENERAL NOTES:

- 1) A METER ROOM IS AN ENCLOSED SPACE WITHIN A BUILDING OR STRUCTURE THAT IS TO BE USED TO HOUSE NATURAL GAS METERING EQUIPMENT.
- 2) IT IS THE RESPONSIBILITY OF DEVELOPER / CONTRACTOR / OWNER TO COMPLY WITH ALL METER ROOM PROVISIONS AND OBTAIN LBGO APPROVAL PRIOR TO THE INSTALLATION OF METERS.
- 3) A METER ROOM SHALL BE DEDICATED SOLELY FOR THE PURPOSE OF HOUSING NATURAL GAS METERING AND REGULATING EQUIPMENT, AND BE PHYSICALLY SEPARATED BY SOLID WALLS FROM OTHER SPACES THAT ARE FOR MULTI-USE. A METER ROOM SHALL NOT BE USED AS A STORAGE AREA.
- 4) METER LOCATION AND METER ROOM PIPING SHALL CONFORM TO THE CURRENT EDITION OF THE CALIFORNIA PLUMBING CODE, CHAPTER 12; CALIFORNIA MECHANICAL CODE; CHAPTER 13; AND PIPELINE SAFETY REGULATIONS, 49 C.F.R. PART 192.
- 5) LONG BEACH GAS & OIL HAS CLASSIFIED ALL METER ROOMS AS HAZARDOUS LOCATIONS, CLASS 1, DIVISION 2, PURSUANT TO THE NFPA 70, NATIONAL ELECTRIC CODE, ARTICLE 500. ALL ELECTRICAL INSTALLATIONS THAT TERMINATE OR PASS THROUGH A METER ROOM SHALL CONFORM TO ARTICLE 501 - CLASS I LOCATION, OF THE LATEST EDITION OF NFPA 70, NATIONAL ELECTRICAL CODE.
- 6) THE FLOOR TO CEILING HEIGHT IN A METER ROOMS SHALL BE NO LESS THAN SIX FEET, EIGHT INCHES (6'-8").
- 7) EACH METER ROOM SHALL HAVE A COMBUSTIBLE GAS DETECTION SYSTEM WITH AN AUDIBLE ALARM AND STROBE LIGHT LOCATED OUTSIDE THE METER ROOM. EVIDENCE THAT THE COMBUSTIBLE GAS DETECTION SYSTEM HAS BEEN TESTED SHALL BE SUPPLIED TO LBGO PRIOR TO THE INSTALLATION OF GAS METERS. GAS DETECTION SYSTEM SHALL BE LABELED SO AS NOT TO BE CONFUSED WITH FIRE ALARMS.
- 8) METER ROOM SHALL HAVE A MINIMUM OF TWO VENTS TO AN OUTDOOR SPACE OR PARKING STRUCTURE SPACE.
- 9) METER ROOM DOORS SHALL HAVE AN IDENTIFICATION LABELED "GAS METER ROOM."
- 10) REGULATOR RELIEF VENT PIPING MUST TERMINATE OUTDOORS.
- 11) METER ROOM ACCESS SHALL BE DIRECTLY FROM OUTDOORS OR FROM A PARKING STRUCTURE.

DESIGNED BY: S. BATEMAN

PROCEDURES BY:

DRAWN BY: J. VELASCO

CHECKED BY: M. ZUKOSKI

SHEET

1 OF 2

## GAS PIPING INSTALLATIONS FOR METER ROOMS

CITY OF LONG BEACH  
GAS & OIL DEPARTMENT

DATE: JUNE 11, 2007

SUBSTRUCTURES:

AS-BUILT:

SCALE: NO SCALE

DRAWING NUMBER

A-983

# METER ROOMS

## GENERAL NOTES:

- 12) ALL METER ROOMS SHALL HAVE KEYS LOCATED IN LOCKBOXES OUTSIDE METER ROOM DOOR. MULTIPLE METER ROOMS ON SAME PROPERTY SHALL HAVE DOOR LOCKS KEYED ALIKE WITH LOCKBOXES.
- 13) COMBUSTIBLE GAS DETECTORS
- A. LOCATED INSIDE ROOM
    - 1. GAS SENSOR - LOCATED NO MORE THAN 6 INCHES FROM THE CEILING
    - 2. TRANSMITTER - TO OUTSIDE CONTROLLER
    - 3. CONDUIT TO MEET REQUIREMENTS OF ARTICLE 501 OF NFPA 70, NATIONAL ELECTRIC CODE FOR CLASS I, DIVISION 2 LOCATIONS
  - B. LOCATED OUTSIDE METER ROOM NEAR DOOR
    - 1. CONTROLLER
      - I. DISPLAY - SHOWING THE % LOWER EXPLOSIVE LIMIT (LEL)
    - 2. AUDIBLE ALARM - MANUAL SILENCE OK UPON ACKNOWLEDGEMENT OF ALARM
    - 3. FLASHING RED STROBE LIGHT - OPERATIONAL SO LONG AS ALARM CONDITION EXISTS (LEL EXCEEDED)
- 14) VENTILATION
- A. CONVECTIVE VENTILATION
    - 1. MINIMUM TWO (2) VENTS REQUIRED
      - I. ONE VENT LOCATED NO MORE THAN 4 INCHES FROM CEILING OF METER ROOM
      - II. ONE VENT LOCATED NO MORE THAN 12 INCHES FROM FLOOR OF METER ROOM.
      - III. MINIMUM HORIZONTAL SEPARATION OF 2 FT., OR ON DIFFERENT WALL
    - 2. EACH VENT = MINIMUM OF 6 INCHES FROM SIDE WALL
    - 3. EACH VENT GRILLE AREA - MINIMUM 4 SQ. FT., WITH A MINIMUM HORIZONTAL WIDTH OF 2 FT.
  - B. NEGATIVE AIR FLOW - ALTERNATIVE TO CONVECTIVE VENTILATION
    - 1. EXHAUST VENT DIRECTLY TO OUTSIDE AREA OR PARKING STRUCTURE
    - 2. MUST MEET ELECTRICAL REQUIREMENTS OF ARTICLE 501 OF NFPA 70, NATIONAL CODE FOR CLASS I, DIVISION 2 LOCATIONS
- 15) IF BUILDING IS EQUIPPED WITH FIRE SPRINKLERS, METER ROOM SHALL BE EQUIPPED WITH FIRE SPRINKLERS PER NFPA 13.

DESIGNED BY: S. BATEMAN

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SHEET  
2 OF 2

## GAS PIPING INSTALLATIONS FOR METER ROOMS

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